#### LISTING OF THE CLAIMS

This listing of claims is the current listing of claims currently pending in the application:

## Listing of Claims:

 (Currently Amended) A method for synchronizing a wakeup schedule for a first communications module and a wakeup schedule for a second communications module in a wireless mobile unit, said the method comprising:

computing a next wakeup time for the first communication module, the 
computing aet is based at least in part on a time period set by the wireless mobile unit; 
computing a next wakeup time for the second communication module; and 
synchronizing a new wakeup time for the second communication module to the 
next wakeup time for the first communication module when said if the next wakeup time for the first communication module is earlier than the next wakeup time for the second 
communication module.

 (Currently Amended) A method for synchronizing a wakeup schedule for an Ultra-Wideband (UWB) module and a wakeup schedule for a communications module in a wireless mobile unit. seid the method comprising:

calculating a next communications wakeup time based at least in part on a time period set by the wireless mobile unit;

calculating a next UWB wakeup time; and

synchronizing a new UWB wakeup time to said the next communications wakeup time when said if the next communications wakeup time is earlier than the next UWB wakeup time.

## (Cancelled)

- (Original) The method of claim 2 further comprising: determining a current communications time; and determining a current UWB time.
- (Currently Amended) The method of claim 4 further comprising a <u>step of</u> determining a communications interval, <u>said the</u> communications interval equaling <u>said</u> <u>the</u> next communications wakeup time less <u>said the</u> current communications time.
- (Currently Amended) The method of claim 5 further comprising a step of synchronizing said the new UWB wakeup time to said the next communications wakeup time when said if the current UWB time plus said the communications interval is less than said the next UWB time.
- (Currently Amended) The method of claim 2 further comprising a step of
  performing a UWB wakeup process and a communications wakeup process substantially
  at said the new UWB wakeup time.
- (Currently Amended) The method of claim 7 wherein said the performing step comprises a step of powering on said the UWB module and said the communications module substantially simultaneously so as to reduce said the wireless mobile unit's power consumption.

than a next UWB wakeup time.

 (Currently Amended) A method for synchronizing a wakeup schedule for an <u>Ultra-Wideband (UWB)</u> module and a wakeup schedule for a communications module in a wireless mobile unit, said the method comprising:

determining a current communications time from a received pilot signal transmitted by a base station:

determining a current UWB time from an internal clock in the UWB module; calculating a communications interval, said the communications interval equaling a next communications wakeup time less said the current communications time; and synchronizing a new UWB wakeup time to said the next communications wakeup time when said if the current UWB time plus said the communications interval is less

 (Currently Amended) The method of claim 9 further comprising steps of: establishing said the next communications wakeup time prior to said step of the calculating said the communications time interval; and

establishing said the next UWB wakeup time prior to said step of the synchronizing said the new UWB wakeup time.

- (Currently Amended) The method of claim 9 further comprising a step of performing a UWB wakeup process and a communications wakeup process substantially at said the new UWB wakeup time.
- 12. (Currently Amended) The method of claim 11 wherein said the performing step comprises a step of powering on said the UWB module and said the communications module substantially simultaneously so as to reduce said wireless mobile unit's power consumption.
- 13. (Currently Amended) The method of claim 9 wherein said the wireless mobile unit comprises a UWB-enabled communications mobile phone.

#### 14. (Currently Amended) A wireless mobile unit comprising:

a communications module configured to perform a communications wakeup process at a next communications wakeup time, wherein said the wakeup time is computed based at least in part on a set time period and the communications module is further configured to receive a pilot signal and to derive a current communications time from said the pilot signal;

an <u>Ultra-Wideband</u> (UWB) module configured to perform a UWB wakeup process, wherein the UWB module comprises a clock, said the clock being configured to track a current UWB time; and

a processor configured to synchronize a new UWB wakeup time to said the next communications wakeup time when said if the next communications wakeup time is earlier than a next UWB wakeup time.

#### (Cancelled)

16. (Currently Amended) The wireless mobile unit of claim 14 wherein said the UWB module is configured to perform said the UWB wakeup process at said the new UWB wakeup time when said if the next communications wakeup time is earlier than said the next UWB wakeup time.

### 17-19. (Cancelled)

- 20. (Currently Amended) The wireless mobile unit of claim 14 wherein said the processor is further configured to calculate a communications interval, said the communications interval equaling said the next communications wakeup time less said the current communications time.
- 21. (Currently Amended) The wireless mobile unit of claim 20 wherein said the processor is further configured to synchronize said the new UWB wakeup time to said the next communications wakeup time when said if the current UWB time plus said the communications interval is less than said the next UWB wakeup time.

- 22. (Currently Amended) The wireless mobile unit of claim 14 wherein said the communications module performs said the communications wakeup process and said the UWB module performs said the UWB wakeup process substantially at said the new UWB wakeup time.
- 23. (Currently Amended) The wireless mobile unit of claim 22 wherein said the communications module and said the UWB module are configured to power on substantially simultaneously so as to reduce said wireless mobile unit's power consumption.
- (Currently Amended) The wireless mobile unit of claim 14 wherein said the wireless mobile unit is a UWB-enabled communications mobile phone.
  - 25. (Currently Amended) A wireless unit comprising: means for storing data;

means for performing a communications wakeup process at a next communications wakeup time;

means for computing the next communications wakeup time; and
means for synchronizing a new <u>Ultra-Wideband (UWB)</u> wakeup time to said <u>the</u>
next communications wakeup time <del>when said</del> <u>if the</u> next communications wakeup time is
earlier than a next UWB wakeup time.

# (Cancelled)

- (Currently Amended) A digital signals processing apparatus, comprising:
   a memory means for storing digital data; and
- a digital signal processing means for interpreting digital signals to synchronize a wakeup schedule for an <u>Ultra-Wideband (UWB)</u> module and a wakeup schedule for a communications module in a wireless mobile unit by:
  - computing a next communications wakeup time based at least in part on a set time period; and
  - synchronizing a new UWB wakeup time to said the next communications wakeup time when said if the next communications wakeup time is earlier than a next UWB wakeup time.
- 28. (Currently Amended) The apparatus of claim 27, said the digital signal processing means further interpreting digital signals to establish said the next UWB wakeup time after said the computing a next communications wakeup time based at least in part on a set time period, and before said the synchronizing a new UWB wakeup time.